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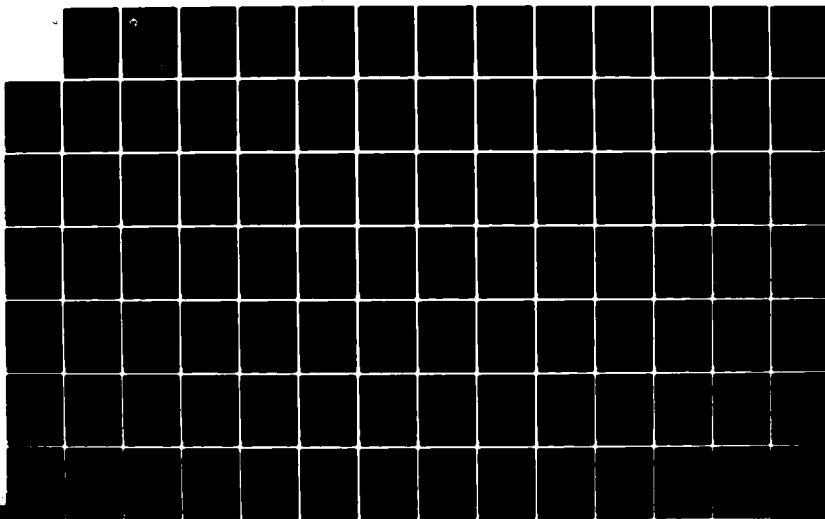
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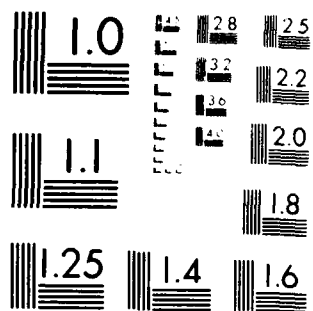
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BIBLIOGRAPHY OF SOVIET LASER DEVELOPMENTS

No. 64

MARCH - APRIL 1983

Date of Report

March 6, 1984

Vice Director for Foreign Intelligence
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20. ABSTRACT This is the Soviet Laser Bibliography for March-April 1983, and is No. 64 in a continuing series on Soviet laser developments. The coverage includes basic research on solid state, liquid, gas, and chemical lasers; components; nonlinear optics; spectroscopy of laser materials; ultrashort pulse generation; crystal growing; theoretical aspects of advanced lasers; and general laser theory. Laser applications are listed under biological effects; communications; beam propagation; adaptive optics; computer technology; holography; laser-induced chemical reactions; measurement of laser parameters; laser measurement applications; laser-excited optical effects; laser spectroscopy; beam-target interaction; and plasma generation and diagnostics.		

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Introduction

This bibliography has been compiled under an interagency agreement as a continuing effort to document current Soviet-bloc developments in the quantum electronics field. The period covered is March-April 1983, and includes all significant laser-related articles received by us in that interval. The bulk of the entries come from the approximately 30 periodicals which are known to publish the most significant findings in Soviet laser technology. Citations from the Russian Reference Journals are also included. Laser items from the popular or semipopular press are generally omitted.

For convenience we have abbreviated frequently cited source names; a source abbreviations list and an author index are included. All sources cited with no parenthetical notation are available at the Library of Congress. A parenthetical entry (RZh, KL) indicates the secondary source in which the citation was found as a bibliographic entry or abstract, but for which the original source is not currently available at the Library. The authors' affiliations are indicated by the numbers in parentheses following the authors' names in the text and are listed in an author affiliations list. New affiliations are assigned a new number and are added to a cumulative list which includes all affiliations from 1969 to the present. Only those affiliations which appear in this issue are listed in this issue's author affiliations list.

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SOVIET LASER BIBLIOGRAPHY, MARCH - APRIL 1983

TABLE OF CONTENTS

I. BASIC RESEARCH

A. Solid State Lasers

1. Crystal: Ruby	1
2. Crystal: Rare-Earth Activated	
a. Nd ³⁺	1
b. Tm ³⁺	3
3. Crystal: Miscellaneous	3
4. Semiconductor	
a. Pb _{1-x} Sn _x Se	4
b. Miscellaneous Heterojunction	4
c. Theory	6
5. Glass: Nd	6
6. Glass: Miscellaneous	8

B. Liquid Lasers

1. Organic Dyes	
a. Rhodamine	8
b. Polymethine	8
c. Xanthene	8
d. Miscellaneous Dyes	9
2. Inorganic Liquids	---

C. Gas Lasers

1. Simple Mixtures	
a. He-Ne	11
b. He-Ar	14

2. Molecular Beam and Ion	
a. CO ₂	14
b. CO	17
c. N ₂	18
d. NH ₃	19
e. D ₂ O	19
f. Submillimeter	20
g. Metal Vapor	20
h. Gasdynamic	22
3. Excimer	23
4. Theory	24
D. Chemical Lasers	
1. F ₂ +H ₂ (D ₂)	---
2. Photodissociative	26
3. Transfer	---
4. O ₂ +I ₂	27
E. Components	
1. Resonators	
a. Design and Performance	27
b. Mode Kinetics	28
2. Pump Sources	28
3. Diffraction Gratings	29
4. Filters	30
5. Mirrors	30
6. Detectors	31
7. Modulators	32
8. Miscellaneous Components	35

F. Nonlinear Optics	
1. Frequency Conversion	36
2. Parametric Processes	37
3. Stimulated Scattering	
a. Raman	38
b. Brillouin	39
c. Miscellaneous Scattering	40
4. Self-focusing	---
5. Acoustic Interaction	41
6. General Theory	43
G. Spectroscopy of Laser Materials	46
H. Ultrashort Pulse Generation	47
J. Crystal Growing	49
K. Theoretical Aspects of Advanced Lasers	49
L. General Laser Theory	50

II. LASER APPLICATIONS

A. Biological Effects	53
B. Communications Systems	54
C. Beam Propagation	
1. In the Atmosphere	60
2. In Liquids	67
3. Adaptive Optics	68
4. Theory	69
D. Computer Technology	72
E. Holography	74
F. Laser-Induced Chemical Reactions	79
G. Measurement of Laser Parameters	83

H. Laser Measurement Applications	
1. Direct Measurement by Laser	87
2. Laser-Excited Optical Effects	100
3. Laser Spectroscopy	106
J. Beam-Target Interaction	
1. Metal Targets	118
2. Dielectric Targets	122
3. Semiconductor Targets	123
4. Miscellaneous Targets	125
K. Plasma Generation and Diagnostics	126
III. MONOGRAPHS, BOOKS, CONFERENCE PROCEEDINGS	133
IV. SOURCE ABBREVIATIONS	143
V. AUTHOR AFFILIATIONS	148
VI. AUTHOR INDEX	153

I. BASIC RESEARCH

A. SOLID STATE LASERS

1. Crystal: Ruby

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2. Organic Liquids

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1. Simple Mixtures

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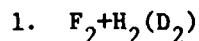
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E. COMPONENTS

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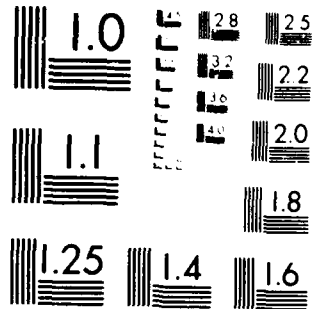
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J. BEAM-TARGET INTERACTION

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4. Miscellaneous Targets

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IV. SOURCE ABBREVIATIONS

(CIRC Codens)

APC	(ARYCA)	Acta physica et chemica. Szeged
APP	(ARANA)	Acta physica Academiae scientiarum hungaricae
BAPS	(BAPTA)	Bulletin de l'Academiae Polonaise des Sciences. Serie des Sciences Techniques
BAPS Chim	(BAPCA)	Bulletin de l'Academie Polonaise des Sciences. Serie des Sciences Chimique
CCCC	(CCCCA)	Collection of Czechoslovak Chemical Communica- tions
CCF	(CKCFA)	Ceskoslovenskiy casopis pro fyziku
CJP	(CZYPA)	Czechoslovak Journal of Physics
DAN	(DANKA)	Akademiya nauk SSSR. Doklady
DAN B	(DBLRA)	Akademiya nauk Belorusskoy SSR. Doklady
DAN Ukr	(DUKAB)	Akademiya nauk Ukrainskoi RSR. Dopovidl. Seriya A. Fiziko-matematychni ta tekhnichni nauky
DAN Uz	(DANUA)	Akademiya nauk Uzbekskoy SSR. Doklady
DNR	(DERUB)	Deponirovannyye nauchnyye raboty
ETP	(EXPRA)	Experimentelle Technik der Physik
FAiO	(IFAOA)	Akademiya nauk SSSR. Izvestiya. Fizika atmosfery i okeana
FikHOM	(FKOMA)	Fizika i khimiya obrabotki materialov
FikHS	(FKSTD)	Fizika i khimiya stekla
FM	(FNMKA)	Finommechanika, mikrotehnika [Hungary]
FTP	(FTPPA)	Fizika i tekhnika poluprovodnikov
FTT	(FTVTA)	Fizika tverdogo tela
IAN Arm	(IAAFA)	Akademiya nauk Armyanskoy SSR. Izvestiya. Fizika
IAN B	(VBSFA)	Akademiya nauk Belorusskoy SSR. Izvestiya. Seriya fiziko-matematicheskikh nauk
	(VABFA)	Seriya fiziko-tekhnicheskikh nauk
IAN Fiz	(IANFA)	Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya
IAN Lat	(LZFTA)	Akademiya nauk Latviyskiy SSR. Izvestiya. Seriya fizicheskikh i tekhnicheskikh nauk
I-FZh	(INFZA)	Inzhenerno-fizicheskii zhurnal
ISOAN	(IZSTA)	Akademiya nauk SSSR. Sibirskoye otdeleniye. Izvestiya. Seriya tekhnicheskikh nauk
IT	(IZTEA)	Izmeritel'naya tekhnika

IVUZ Fiz	(IVUVA)	Izvestiya vysshikh uchebnykh zavedeniy. Fizika
IVUZ Priboro	(IVUBA)	Izvestiya vysshikh uchebnykh zavedeniy. Priborostroyeniye
IVUZ Radiofiz	(IVYRA)	Izvestiya vysshikh uchebnykh zavedeniy. Radiofizika
KE	(KVEKA)	Kvantovaya elektronika
KhVE	(KHVKA)	Khimiya vysokikh energiy
KL	(KNLTA)	Knizhnaya letopis'
KLD	(-----)	Knizhnaya letopis'. Dopolnitel'nyy vypusk. Avtoreferaty dissertatsii
KSpF	(KRSFA)	Kratkiye soobshcheniya po fizike
MITOM	(MTOMA)	Metallovedeniye i termicheskaya obrabotka materialov
NM	(IVNMA)	Akademiya nauk SSSR. Izvestiya. Neorganicheskiye materialy
Ois	(OPMPA)	Optiko-mekhanicheskaya promyshlennost'
Opt app	(OPAPB)	Optica applicata [Poland]
Otkr izobr	(OiPOB)	Otkrytiya, izobreteniya, promyshlennyye obraztsy, tovarnyye znaki
Poverkh	(-----)	Poverkhnost'. Fizika, khimiya, mekhanika
PSS	(PSSAB) (PSSBB)	Physica Status Solidi (A). Applied Research (B). Basic Research
PTE	(PRTEA)	Pribory i tekhnika eksperimenta
RIE	(RAELA)	Radiotekhnika i elektronika
RRP	(RRPZA)	Revue Roumaine de Physique
RZhF	(RZFZA)	Referativnyy zhurnal. Fizika
RZHR	(RARAB)	Referativnyy zhurnal. Radiotekhnika
Sb1	sbornik	Metrologicheskoye obespecheniye izmereniy chas- totnykh i spektral'nykh kharakteristik izlucheniya lazerov. Vsesoyuznaya nauchno-tekhnicheskaya konferentsiya, 20-22 Oct 1982. Tezisy dokladov. Khar'kov, 1982, pp not given.
Sb2		International Conference and School: Lasers and Applications, Bucharest, 30 Aug - 11 Sep 1982. Vol. 2. Contributed papers. Abstracts. Bucharest, year of publication not given.
Sb 3		International Conference and School: Laser and Applications, Bucharest, 30 Aug - 11 Sep 1982. Vol. 2. Invited papers. Abstracts. Bucharest, year of publication not given.

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Sb41		Otraslevaya nauchno-tekhnicheskaya konferentsiya molodykh uchenykh NI gornorudnogo instituta, Krivoy Rog. 9th. 26-28 May 1982. Materialy. Part 1. Deposit at UkrNIINTI, no. 3974Uk-D82, 8 Dec 1982.
SCF	(SCEFA)	Studii si cercetari de fizica
TKiT	(TKTEA)	Tekhnika kino i televedeniya
Tr1	trudy	Leningradskiy elektrotekhnicheskoy institut. Izvestiya, no. 323, 1983.
Tr2		Moskovskiy energeticheskoy institut. Trudy, no. 579, 1982.
Tr3		Kiyevskiy politekhnicheskoy institut. Vestnik. Radiotekhnika, no. 19, 1982.
Tr4		Glavnaya geofizicheskaya observatoriya. Trudy, no. 456, 1983.
Tr5		Moskovskiy energeticheskoy institut. Trudy, no. 547. 1981.
Tr6		Leningradskiy elektrotekhnicheskoy institut. Izvestiya, no. 307, 1982.
Tr7		Moskovskiy vyssheye tekhnicheskoye uchilishche. Trudy, no. 391, 1982.
TVKE	(TVKED)	Tochnoye vremya i kvantovaya elektronika
TVT	(TVYTA)	Teplofizika vysokikh temperatur
UFZh	(UFIZA)	Ukrainskiy fizicheskoy zhurnal
VMU	(VMUFA)	Moskovskiy universitet. Vestnik. Fizika, astronomiya
ZhAKh	(ZAKHA)	Zhurnal analiticheskoy khimii
ZhETF	(ZETFA)	Zhurnal eksperimental'noy i teoreticheskoy fiziki
ZhETFP	(ZEPFA)	Pis'ma v Zhurnal eksperimental'noy i teoreticheskoy fiziki
ZhNKh	(ZNOKA)	Zhurnal neorganicheskoy khimii
ZhPS	(ZPSBA)	Zhurnal prikladnoy spektroskopii
ZhTF	(ZTEFA)	Zhurnal tekhnicheskoy fiziki
ZhTFP	(PZTFD)	Pis'ma v Zhurnal tekhnicheskoy fiziki
ZhVMMF	(ZVMFA)	Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki
ZL	(ZVDLA)	Zavodskaya laboratoriya

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422. Institute of Technical Thermophysics, AN UkrSSR (Institut tekhnicheskoy teplofiziki AN UkrSSR).
426. Institute of Applied Physics, AN SSSR, Gor'kiy (Institut prikladnoy fiziki AN SSSR).
430. Minsk Radio Engineering Institute (Minskiy radiotekhnicheskiy institut).
435. Simferopol State University (Simferopol'skiy GU).
445. All Union Scientific Research Institute of the Metrological Service, Moscow (VNII metrologicheskoy sluzhby).
460. Chelyabinsk Polytechnic Institute (Chelyabinskiy politekhnicheskiy institut).
472. Penza Civil Engineering Institute (Penzenskiy inzhenerno-stroitel'nyy institut).
482. Institute of Organoelementary Compounds, AN SSSR, Moscow (Institut elementoorganicheskikh soyedineniy AN SSSR).
489. Ukrainian Institute of Hydraulic Engineers (Ukrainskiy institut inzhenerov vodnogo khozyaystva).
492. Institute of Physics, AN EstSSR (Institut fiziki AN EstSSR).
502. Institute of Photosynthesis, AN SSSR, Pushchino (Institut fotosinteza AN SSSR).
506. Institute of Physics, AN LitSSR (Institut fiziki AN LitSSR).
521. Scientific Research Institute for Physics of Condensed Media, Yerevan State University (NII fiziki kondensirovannykh sred Yerevanskogo GU).
542. State Scientific Research Institute of Quartz Glass, Leningrad (Gos NII kvartsovogo stekla).
588. Kemerov Technological Institute of the Food Industry (Kemerovskiy tekhnologicheskiy institut pishchevoy promyshlennosti).
595. Institute of Human Morphology, AMN SSSR (Institut morfologii cheloveka AMN SSSR).
627. Kuybyshev Branch of the Physics Institute, AN SSSR (Kubyshevskiy filial Fizicheskogo instituta AN SSSR).
659. Institute of Molecular Biology, AN SSSR, Moscow (Institut molekulyarnoy biologii AN SSSR).
691. Scientific Research Institute of the Chemistry and Technology of Organoelemental Compounds, Moscow (NII khimii i tekhnologii elementoorganicheskikh soyedineniy).
694. Moscow Institute of Civil Aviation Engineers (Moskovskiy institut inzhenerov grazhdanskoy aviatsii).
701. Krivoy Rog Mining Institute (Krivorozhskiy gornorudnyy institut).
707. Special Design Bureau of Physics Instrument Manufacture, AN SSSR (Spetsial'noye konstruktorskoye byuro fizicheskogo priborostroyeniya AN SSSR).
709. Institute of Applied Physics AN BSSR (Institut prikladnoy fiziki AN BSSR).
712. Central Scientific Research Institut of Machine Building Technology, Moscow (Tsentral'nyy NII tekhnologii mashinostroyeniya).
722. Institute of Physical and Technical Problems of Energetics, AN LitSSR (Institut fiziko-tekhnicheskikh problem energetika AN LitSSR).

- 725. "Aerozol" Special Design and Construction Bureau at Yerevan State University (Spetsial'noye konstruktorsko-tekhnologicheskoye byuro "Aerozol'" pri Yerevanskom GU).
- 727. Altai State University, Barnaul (Altayskiy GU).
- 728. Ukrainian Scientific Research Institute of Plant Growing, Selection and Genetics, Southern Branch of the All Union Academy of Agricultural Sciences, Khar'kov (Ukrainskiy NII rasteniyevodstva, selektsii i genetiki Yuzhnogo otdeleniya Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk).
- 729. Kiev Medical Institute (Kiyevskiy meditsinskiy institut).
- 730. All Union Scientific Research Institute of Electrothermal Equipment (VNII elektrotermicheskogo oborudovaniya).

VI. AUTHOR INDEX

A			ANTONOV V S	79	BATOYEV V B	101
AAVIKSOO YA YU	40		ANTONOVA K T	30,31	BAZAROV YE N	15,84,108
ABAKUMOV G A	82		APANASEVICH P A	50,69	BAZHUNAISHVILI M N	7
ABDULLIN U A	37		APOLLONOV V V	14	BECHVARZH F	101
ABIL'SIITOV G A	50		APOSTOL D	7,89	BECKER W	84
ABOLIN'SH YA YA	106		APOSTOL I	17,121,126	BEDILOV M R	1
ABRAHAM GY	87		ARBENIN V V	83	BEKAURI V N	81
ABRAMOCHKIN A I	60		AREF'YEV I M	88	BEKOV G I	79
ABRAMOV A YU	8		AREF'YEV V N	61	BELAN B D	61
ABRAMOV O V	118		ARISTOV A V	9	BEL'DYUGIN I M	40
ABRAMOV S A	83		ARKHIPKIN V G	36	BELENOV E M	6,19
ABRAMSKI K M	31		ARSEN I C	53	BELIN A M	29
ABRAMYAN T O	95		ARSENT'YEV I N	5	BELOGLAZOV V I	59
ACHASOV O V	24		ARSEN'YAN T I	61	BELOKON' M V	46
ADEL' MOKHAMED			ARSEN'YEV P A	1	BELOV N N	61
MOKHAMED DAUD	54		ARSHINOV YU F	61	BELOVA G N	41
AFANAS'YEV A A	69		ARTAMONOV A A	57	BELYAKOV L V	75
AFANAS'YEV V M	87		ARTEM'YEV S V	76	BELYAYEV V P	53
AGAFITEI A	7		ARUTYUNOV V A	72	BEREZINSKAYA A M	75
AGAYEV M N	118		ARUTYUNYAN S G	25	BERGER M N	54
AGAYEV V V	5		ARZUMANYAN G M	126	BERGMANN K	20
AGEYEV A N	100		ASHCHEULOV YE A	93	BERGNER H	1,8
AGEYEV B G	106		ASHCHEULOV YU V	78	BERLOVICH E YE	9
AGEYEV V P	118,119,121		ASIMOV M M	8,9,107	BERMAN G P	44
AKANAYEV B A	41		ASINOVSKIY E I	138	BESPALOV V I	68
AKAYEV A A	72		ASKAR'YAN G A	88	BESMEL'TSEV V P	88
AKHMANOV A S	24		ASLANOV G A	101	BETEROV I M	79
AKHMETOV S F	42		ASMONTAS S	124	BEYSEMBAYEVA KH B	1
AKHRAROV M	19		ASTADJOV V N	22	BEZRODNYI V V	83
AKHROMENKO YU G	123		ASTROV YU A	101	BEZRUCHKO V M	32
AKHTYRCHENKO YU V	60		ATANASOV P A	14	BIBINOV N K	23
AKIMOV A I	8		ATEZHEV V V	14	BIERBAUM D	59
AKIMOV V A	22		ATUTOV S N	11	BIFNDA M	89
AKISHEV YU S	25		AUZEL F	3	BILINSKIY YU M	123
AKISHIN A I	122		AVANESOV A G	107	BILLING H	89
AKOPYAN M YE	83		AVDEYEVA V I	33	BLANARU C	89
AKOPYAN R S	43		AVTONOMOV V P	83	BLAZHENKOV V V	84,127
ALEKHNovich V I	41		AYTIKEYEVA T D	101	BLISTANOV A A	15
ALEKSANDROV K S	140		AYUKHANOV R A	43	BLIZNETSOV A M	34
ALEKSANDROVA I V	6				BLOK A S	72
ALEKSEYEV A S	100		B			
ALEKSEYEV S A	87		BABCHENKO A V	91	BOBROVNIKOV S M	61
ALEKSEYEV V N	7		BABICH V M	88	BOBRYK V I	83
ALEKSEYEV-POPOV A V	74,75		BABIN A A	37	BOBUCHENKO D S	61,65
ALIMBARASHVILI N A	133		BADANOV A G	83	BOBYREV V A	119
ALIMOV O K	107		BADZIAK J	44	BOCHKOV O YE	103
ALIMPIYEV S S	79		BAGDASAROV KH S	1,47	BOGATOV A P	40
ALISHEV YA V	133		BAJEU G	7	BOGDANKEVICH O V	89
ALIYEV M I	134		BAKANOV D G	22	BOGDANOV D D	126
ALKHAZOV G D	79		BAKAREV A YE	14	BOGOLYUBOV A V	32
ALLAKHVERDIYEV K R	107		BAKHRAKH V L	117	BOGOMOLOV A A	101
ALUM KHORKHE (JORGE)			BAKHSIYEV N G	107	BOGOMOLOV N F	54,89
PASTOR MORO	43		BALANEVSKAYA A E	108	BOICIUC D	89
AMANDOSOV A T	36		BALASIU D	122	BOKHONOV A F	141
AMANYAN S N	1		BALAZS J	54	BOL'SHOV L A	44,69,127
ANAN'IN O B	126		BALTOG I	18	BONCH-OSMOLOVSKIY M M	100
ANDOR L	54		BARANOV G N	46	BONDAR' I A	46
ANDREYEV A A	43,100,126		BARANOV I N	14	BONDAR' YU F	25
ANDREYEV P A	1		BARANOV V YU	14,23,118,141	BONDAREV V A	91
ANDREYEV R B	38		BARANSKA H	133	BOR ZS	10,18,47,48
ANDREYEVA N P	39		BARBONIE T	88	BORISOV B D	84
ANDRIYESH A M	101		BARBULESCU D	121	BORISOV V L	32
ANDRONOV V P	30		BARKAN I B	29	BORISOV V M	23
ANDRONOVA I A	88		BARTKUS S I	88	BORISOVSKIY S P	84
ANGEL'SKIY O V	75		BARYBIN V I	116	BORIYEV I A	80,108
ANIKEYENKO G N	60		BARYSHEVSKIY V G	69	BORODAVKO K P	89
ANIK'YEV A A	107		BARYSHNIKOV S V	90,102	BORODINA G G	119
ANISIMOV S I	119		BARZAKH A YE	79	BORODULIN V I	4
ANTIPENKO B M	3		BASIYEV T T	2,107	BOROVITSKIY S I	89
ANTIPOV YU N	83		BASOV N G	11,17,19,23,127	BOROVSKIY I B	119
ANTONOV V A	32		BASOV YU G	28	BOROWICZ L	53
					BORTSOV A A	50
					ROTH W	6

BOVINA YE A	108	CHETVERUSHKIN B N	120	DERVISHOV N G	111
BOYKO R B	44	CHIBISOV A K	80,82	DETINICH V A	56
BOYKOV V N	113	CHICKOV B N	131	DEVYATYKH G G	93
BOZHEVOL'NYY S I	32	CHIKOVANI V V	95	DIANOV YE M	2,55,93
BOZHOKIN S V	28	CHIS I	15	DIDENKO A N	49
BREKHOVSKIKH G L	48	CHISHIKOVA Z A	46	DIKAYEV YU M	56
BRODNIKOVSKIY A M	108	CHISLEAG R	90	DIMITRIU' B	98
BRODOV M YE	7	CHOKPAROVA G A	127	DINESCU M	121
BRODZELI M I	133	CHORVATOVA Z	39	DIVAK V B	38
BRUECKNER V	108	CHREN D	30	DIVAKOV A K	96
BRUMBOIU A	15	CHU TRAN BA	37	DIVNICH N P	99
BRUNFELD A	89	CHUDINOV A V	5	DMITRIYEV D I	7
BRUYEVICH A M	54	CHUDOVSKIY V A	92	DMITRIYEVA I V	109
BRYSKIN V V	102	CHURICHEV M V	47	DOBROV G S	59
BUBNOV N	95	CHULYAYEVA YE G	84,85,87	DOBRYSHIN V YE	109
BURNOVA L I	26	CHULYUKOV V A	90	DOLGANOV V K	102
BUCHANOV V V	20	CHUPRAKOV A V	86	DOLGATOVA ZH I	140
BUCHNEV V M	23	CICEI A	90	DOMARKAS A	41
BUDNIK A P	69	CIOBOTARU D ST	15	DOMASHCHEV V L	93
BUFETOV N A	7	CIURA A I	15	DOMSA F	3
BUGAYEV V A	20	COJOGARU E	128	DOROBANTU I A	50
BURATYY V I	80,139	COLLINS C B	18,49	DOROFEEV O F	130
BURKHARIN N A	72	COMANICIU N	15,16	DOROSHENKO V M	22
BURKOVSKIY B L	83,84	CONSTANTINESCU A	18	DRAGANESCU V	7,15,16
BUNKIN A F	39	COSMA B T	15		50,119
BUNKIN F V	41,119	CRISTESCU C P	20	DRAGULESCU G	17
BURAKOV V S	9,90,141	CRISTOIU V	88	DRAGULINESCU D	15,17
BURBAYEV T M	101	CSILLAG L	70	DRAZHAN A V	124
BURDIN S G	118,119	CWALINA T	90	DRICHKO I L	41
BURKITBAYEV S M	69			DRIMANOV A P	17
BURMAKOV A P	90	D		DROFA A S	61
BURMISTROV A V	119			DRONOV A P	23
BURNASHOV V N	88	DABU R	126	DUDIN G P	53
BURSIAI E V	90,102	DADIANI T O	46	DUKHOVNER A N	69
BUTYLKIN V S	38	DADIVANYAN A K	9	DUKHOVNIY A M	75
BUZYKIN O G	119	DAEHNE S	84	DUMITRAS D C	25
BYCHENKOV V YU	127	DANELYUS R V	109	DUN A E	35
BYCHKOV YU I	24	DANIL'CHENKO V P	31,91	DUNINA T A	67
BYKOV A M	55	DANILEVICH V V	92	DURAYEV V P	55
BYKOVSKIY YU A	126,128	DANILEYKO M V	11,25,84	DVORNIKOV G D	62
		DANILEYKO YU K	125	DYAD'KIN A P	19
C		DANILKIN S A	42	D'YAKONOV A T	41
CEAUSESCU N	49	DANILOV A A	91	D'YAKOV YU	38
CEZAR V	54	DANILOV A YE	6	D'YAKOV YU YE	37
CHABAN N G	116	DANILOVA V I	38	DYBAL J	109
CHALYY V D	83	DANILYCHEV V A	23	DYKHNE A M	127
CHALYY V P	5	DASHENKOV V M	41	DYUKOV V G	89
CHAMOROVSKIY YU K	56	DASHUK S P	28	DYUMAYEV K M	35
CHAPLIFYEV N I	14,118,119	DATSKEVICH N P	61	DYURKO V A	14
	120,123	DA'RONOV O	116	DYUZHNIKOV I N	56
CHAPOVSKIY P L	104	DAVYDCHENKO A G	42	DZHABUA Z U	46
CHASHEY I V	70	DAVYDOV A M	72	DZHAVADOV B M	110
CHAVCHANIDZE V V	133	DEDRAKYAN D M	114	DZHIHLADZE M I	7
CHAYANOVA E A	64,138	DEGTYARENKO K M	9	DZHIHLAVDARI I Z	44
CHAYKOVSKAYA L I	66	DEGTYAREV I S	88	DZHOTYAN G P	37
CHAYKOVSKIY A P	63	DEKANOZISHVILI G G	133	DZHMARAYEV B	72
CHEBOTAYEV V P	129	DELONE N B	80	DZHUN' I V	12,91
CHECHUKIN N V	40	DEMCHUK M I	33,34	DZHURABEKOV U S	80
CHECHALYUK A M	108	DEMENTIYENKO V V	55		
CHECH HAITAO	22	DEMESHCHIK A M	99	E	
CHEPURNOY V A	3	DEMIDOV S S	27		
CHEREDNICHENKO O B	2,37	DEMIAI A I	22	ERANOIDZE Z N	49
CHEPKASOV A S	9	DEM'YANTSEVA S D	32	EFENDIYEV M SH	111
CHEPKASOV YE V	40	DENISOV L K	8	EFENDIYEV T SH	10
CHEPKASOV YU A	75	DENISOV V P	79	EFENDIYEVA I K	107
CHERNENKO A A	27	DENISYUK I YU	80	ELENKRIG B B	4,6,56
CHERNOV P V	55	DENISYUK YU N	68,76,137	ETKIN V S	134
CHEPNOV V N	7	DENKER B I	107		
CHEPNIKH D F	92	DENKER B N	8	F	
CHEPNIKH V A	106	DERBOV V L	108		
CHEPNYSHEV S M	22	DERKACHEVA L D	36	FADEYEV V YA	64

FARCAS A	7	GASE R	108	GREYM I A	92
FARKAS E	9	GATI L	9	GRIBKOVSKIY V P	106,118
FATEYEV N V	79	GAUBATZ U	20	GRIBOVA I A	81
FATEYEV V F	91	GAVRIKOV V F	23	GRIGOR'YANTS V V	56
FAVORSKIY A P	127	GAVRIKOV V K	70	GRIGOR'YEV B V	53
FEDIN V P	84	GAVRILENKO V N	8,9,107	GRIGOR'YEV S I	55
FEDOROV G M	123	GAVRILIN B L	99	GRIGOR'YEVSKIY V I	62
FEDOROV V A	10	GAVRILOVA G S	98	GRIGORIU C	15,17
FEDOROV V B	73	GAVRILYUK V I	32	GRILLONE M D	110
FEDOROV V F	21	GAVRILYUK YE K	59	GRIMBLATOV V M	12,92
FEDOROV V S	107	GAYDUKOV YE N	29,128	GRINCHISHIN YA T	49
FEDOROV V V	7	GAYEVSKIY A YU	102	GRINEV A YU	92
FEDOSEYEV A I	22	GAYNUTDINOV I S	30	GRISHCHENKO L V	15,16,29,85
FEDOSEYEV V N	79	GEBHARDT W	103	GRISHIN A I	62
FEDOSEYEV V S	139	GEILER H D	124	GRISHKO V I	110
FEDOTOV S I	6	GEORGESCU C	30	GRITSENKO D A	88
FEDULOV V N	18	GEORGESCU S	3	GRITSENKO V A	92
FEL'DRUSH V I	73	GEORGOBIANI A N	102,110	GRIVITSKAS V	105
FELINSKIY G S	112	GERASHCHENKO P I	29	GRODNENSKIY I M	56
FELSZERFALVI J	29	GERASIMENKO M V	128	GROSU N D	97
FENIC C	7	GERASIMOV G A	15,84,108	GROZUTA T	88
FENIN V V	1	GERHARDT V	103	GRUDNITSKIY V G	81
FERDINANDOV E S	62	GERSHENZON YE M	134	GRUZ E A	78
FERTIK N S	85,86	GEVELYUK S A	75	GRUZEVIKH YU K	33
FILATOV YU V	89	GIKAL B N	126	GRUZINSKIY V V	9,38
FILIPPOV N M	121	GILEL' S A M	133	GRUZN OV V M	76
FILIPPOV V L	63	GIRSHBERG YA G	90,102	GUBIN M A	11,19
FILIPPOV V N	94	GIZBREKHT A L	8	GUBIN V P	15,84,108
FILONOV A G	21	GLADTSIN M M	31	GUDELEV V G	12
FILONOVA N A	20	GLADUSH G G	131	GUETHER R	128
FILYANIN YU A	53	GLADYR' V I	85	GUL'BINAS V	140
FIRSOV K N	14	GLADYSHCHUR A A	118	GUL'KO V M	128
FISCHER B R	37	GLAZACHEV R N	19	GULYAKIN V A	92
FISCHEP P	55	GLURDZHIDZE L N	46	GULYAYEV YU V	41,43,56
FISHER P S	38	GLUSHKOV M V	102	GUMINETSKIY S G	70
FLEROVA S A	103	GOCHELASHVILI K S	70	GUN'KOV S YU	127
FLORESCU V	98	GOETZ G	124	GUR'YANOV A N	93
FOF M V	46	GOFMAN M A	73	GUREVICH S A	5
FOMICHEV A A	3	GOL'BERG S M	125	GUREVICH S B	35,92
FOMICHEV V V	109	GOLDOBIN I S	5	GURSKIY V B	33
FOMIN N A	23	GOLLA J	12	GURVICH L V	112
FOMIN V K	7	GOLOVICH V I	23	GURZADYAN G G	82
FOMIN V V	15,84,108	GOLOVITSKIY A P	12	GUSEV A A	36
FON'KIN V A	97	GOLUB M A	30	GUSEV A YU	84
FRADKIN E YE	28	GOLUBEV V S	25,50	GUSEV V G	25,93
FRANK I M	69	GOLUBOVSKIY YU B	18	GUSEV V P	126
FURZIKOV N P	109	GOLYAYEV YU D	2	GUSEV YU L	3
		GONCHAR V F	116	GUSEVA T K	13
G		GONCHARENKO A M	134	GUSHCHIN G P	133
GABAI A	15	GONCHAROV I N	118	GUS'KOV A P	120
GARRUSENOK YE V	109	GONCHAROV YU N	118	GUS'KOV S YU	128
GACHECHILADZE N G	55	GONCHUKOV S A	12	GUSOVSKIY D D	93
GAFUROV F Z	62	GORBAL M R	18,19	GUTU I	16,119
GAKAMSKIY D M	110	GORBATOV S S	105	GUZ' A G	126
GAL M	54	GORBUNOV A A	125	GYULAMIRYAN A L	68
GALANIN M D	46	GORDEYEV YE V	102	GZIRISHVILI D G	46
GALICH N YE	125	GORDON YE B	26,80,108		
GALIMOV N B	56	GORELENKO A YA	9	H	
GALKIN YU V	50	GORELIK V S	38,107	HARSANY A	126
GALKINA T I	100	GORESLAVSKIY S P	80	HEBLING J	48
GALUSHKIN M G	40	GORODSKIY D D	119	HEFTER U	20
GALUYEV S V	73	GORSHKOV B G	125	HEHL K	124
GAMAZOV YU A	91	GORYACHEV D N	75	HELBIG V	97
GAN FUXI	2,50	GOS'KO P I	70	HENING A	126
GANCIU-PETCU M	126	GOSTEV V I	39	HERISANU N	7
GANICHEV S D	110	GOVOR I N	91	HERZBERG R	15
GARAYEV R A	39,46,69	GOYKHMAN V KH	29	HEVESI I	125
GARBUZOV D Z	5	GRACHEV YU N	62	HOFFMANN GY	54
GARLINSKIY R N	97	GRADOV V M	128	HOROZIU' P	54
GARSTOCEA B	54	GRASYUK A Z	19	HULTZSCH R	10
GASANLY N M	110	GREBENNIKOV V A	121		
		GRECHIN A N	119		

I								
IGNATENKO V M	63		KAMALOV V F	4		KHOMENKO A V	34,102,137	
IGNAT'YEV N K	76		KAMARDIN I L	18		KHOMYAK A S	131	
IGOSHIN V I	23,27		KAMARZIN A A	2		KHOPOV V V	95	
IL'ICHEVSKIY V S	32		KAPEVSKIY D I	87		KHOTYAINTEV S N	58	
IL'IN S D	110		KAPICKA V	93		KHRUNZHIY I A	65	
IL'IN YU B	50,85		KAPITANOV V A	111		KHUDAVERDYAN A M	126	
IL'INA A I	53		KAPLAN I G	102		KHULUGUPOV V M	3	
IL'INSKAYA T A	96		KAPLANSKIY A A	137		KHVOSHCHESKAYA L A	140	
IONESCU A	89		KAPRALOV V P	85,140		KHVOSTOV A N	109	
IONESCU C	98		KARAGODOVA T YA	117		KIL'PIO A V	127	
IONESCU-PALLAS N	129		KARAPUZIKOV A I	25		KIRCHEVA P P	44	
IONIKAS L	105		KARASIK A YA	93		KIREYEV S V	12	
IONITA-MANZATU V	3,122		KARBUYEV N S	13		KIRICHENKO N A	81,119	
IOSIFOV V YE	76		KARIMOV M G	108		KIRILLOV G A	132	
IOVA I	110		KARIZHENSKIY V YE	93		KIRILOV A YE	20,21	
IOVITZU P I	49		KARIZHENSKIY YE YA	93		KIRKIN A N	48,84,127	
IPATOV A L	25		KARLOV N V	61,79,81		KIRYUKHIN YU B	23	
IPPOLITOV I I	67		KARMANOV G A	21		KIFYUSHCHEVA I V	35	
ISAKOV V K	20		KARNAURHOV N V	100		KISELEV N G	51	
ISAKOV V V	120		KARNAURHOV YE N	115		KISELEV V F	124	
ISAYEV V A	56		KARPENKO V A	134		KISELEV V P	127	
ISAYEV Z K	2		KARPOV N A	109		KISELEVA O V	94	
ISBASESCU M	7		KARPOVA G V	92		KISHONKOV A K	14	
ISHCHENKO V N	24		KARPUKHIN V T	22		KISLITSKAYA YE A	122	
ISICHENKO M B	129		KARPUKHIN V V	135		KISLYAKOV V YE	58	
ISLOMOV R	116		KARPUKHIN V V	118		KITAYEVA V F	70	
ITSKHOKI I YA	2		KARTALEVA S S	131		KITAYEVA V F	106	
IVAKIN YU A	63		KARYAKIN A V	124		KIYACHENKO YU F	67,69	
IVAKINA T I	63		KASHKAROV P K	122		KIYAK B R	105	
IVANOV A A	93		KASK N YE	127,129		KIYAK S G	123	
IVANOV A F	131		KAS'YANOV YU S	119		KLEMENTOV A D	23	
IVANOV A G	63		KATOLICHUK V A	89,93		KLEPIKOVA N L	57	
IVANOV A P	63		KATSAP V N	76		KLEVANIK A V	111	
IVANOV I G	21		KATSAVETS N I	27,99		KLEYMAN A S	87,91	
IVANOV N A	3		KATULIN V A	67		KLIMENKO I S	76	
IVANOV S N	42		KAVKYANOV S I	96		KLIMENKO V A	112	
IVANOV V F	63		KAZAK V L	20		KLIMOV I I	72	
IVANOV V S	79,141		KAZAKOV V V	106		KLUSHIN A M	89	
IVANOV V YU	111		KAZANSKIY P G	70		KLUZDIN V V	42	
IVANOV YE V	63		KAZANTSEV A P	46		KNYAZ'KOV A V	76	
IVANOVA G M	101		KAZARYAN A K	57		KOBLOVA M M	58	
IVCHENKO V D	57		KAZARYAN R A	47		KOBYLYANSKIY A I	112	
IVLEV G D	122		KECHEK A G	53		KOCHANOVSKIY L N	141	
IYEVLEVA L D	117		KECIK T	110		KOCHEMASOV G G	132	
IZMAYLOV A CH	25,111		KEDZIA B B	72		KOENIG R	112	
IZOSIMOV I N	102		KERIMKULOV T	23		KOGAN YE YA	26	
IZYNEYEV A A	56		KERIMOV O M	111		KOKHANOVSKIY S I	112	
J			KERIMOVA T G	94		KOKORINA V F	122	
JANKIEWICZ Z	2,33,53		KERSTEN R TH	9		KOKOULIN F I	88	
JAROCKI R	93		KETSKEMETY I	1		KOLESHKOV V M	124	
JISKRA J	16		KEVORKOV A M	38		KOLESNIK A V	90	
JONES P L	20		KHABAROV V V	1		KOLESOV I V	126	
K			KHABIBULLAYEV P K	23		KOLESOV V L	94	
KABANOV I S	36		KHACHAPURIDZE T S	45		KOLINKO N B	36	
KABANOV M V	64,66		KHACHATURYAN O A	44		KOLOMIYTSEV A I	47	
KAGAN V D	39		KHADZHI P I	105		KOLOSHNIKOV YU D	13	
KAKICHASHVILI SH D	103		KHAKIMOV A A	111		KOLOSOV YE YE	103	
KALAKUTSKIY S V	29		KHALILOV V KH	32		KOLOVSKIY A R	44	
KALAL M	127		KHALIMONOVA I N	101		KOMAROV A A	139	
KALASHNIKOV S P	74		KHAMKOV N A	70		KOMEL'KOVA L A	10	
KAL'FA A A	5		KHAPAYEV A M	99		KOMISSAROVA I I	94	
KALLAY O	39		KHASANOV T	138		KOMKUS M	135	
KALMYKOV I V	57		KHASHCHINA M V	76		KOMPANETS I N	6,92	
KALTYGIN YU M	84		KHAT'KOV N D	64,138		KOMPANETS O N	79	
KALUGIN M M	20		KHATTATOV V U	141		KONDRASHOV V N	129	
KALUGIN V V	12		KHAUES M DZH	28		KONDRATENKO A M	49	
			KHAYRETDINOV K A	111		KONDRATENKOV G S	139	
			KHEVESHI I (SEE REVESI I)	23		KONDRATOV V A	87	
			KHIDIROV A SH	67		KONDRAT'YEV A I	94	
			KHIZHNYAK S M	79		KONDRAT'YEV V A	42	
			KHMEL'NITSKIY G S	81		KONDRAT'YEVA V A	109	
			KHOKHLOV E M			KONONOV A V	128	
			KHOLMOGOROV V YE					

KONONOV N N	61	KRASNOPEVTSEV V N	81	KUTUKOV V A	93
KONOV V I	14,118,119,120	KRASNOV A P	81	KUZ'MIN A G	63
	121,122,123,125	KRASOVSKIY A N	113	KUZ'MIN G P	61
KONOVALOV A D	93	KRAVCHENKO L KH	110	KUZ'MIN YU	133
KONOVALOV I N	24	KRAVCHENKO N I	31,91	KUZ'MINA I P	27
KONOVALOV I P	13	KRAVCHENKO V B	56	KUZ'MINA L M	106
KONSTANTINOV O V	29	KRAVCHENKO V I	41	KUZ'MINOV YU S	33,76
KONSTANTINOV V B	92	KRAVTSOV N V	2,42	KUZNETSOV A A	83
KONSTANTINOV V N	50,85	KRAVTSOV S B	7	KUZNETSOV A I	113
KONTEWICZ W	90	KRAVTSOV YU A	41	KUZNETSOV G D	135
KONVISAR F G	29	KRAYNOV V P	80	KUZNETSOV G M	2
KONYAYEV V P	4,6	KREJCI V	27	KUZNETSOV V A	29,128
KOPETSKIY CH V	118	KREKOV G M	66,67	KUZNETSOV YE A	57
KOPINKOV I G	10	KREKOVA M M	66	KUZNETSOV B A	17
KOPYL V F	13	KREMETS F I	87	KVAPIL J	1,3
KOPYLOV S M	37	KRIVOSHELYKOV S G	57	KVAPIL JOS	1,3
KOPYLOV YU L	56	KROKHIN O N	129		
KOPYLOVA T N	9,38	KROKHAL' YU D	103	L	
KOPALEV YE M	57	KROKHUTIN A A	6		
KOPENEV V G	70	KROO N	29,70	LABC J	57
KORMER S B	132	KRUGLENKO V P	10	LADUZINSKA A	133
KORNIYENKO A V	94	KRUPITSKIY E I	72,73	LAMBUGIN A M	94
KORNIYENKO L S	2,21,55,122	KRUPKO V S	31	LADEMANN J	112
KORNIYENKO N YE	38	KRUTYAKOVA V P	123	LAGUZOV V P	53
KOROBKIN V V	46	KRUZHALOV S V	1,36	LAMBRECHT K	51
KOROLENKO P V	70	KRUZHALOV V A	12	LAMTYUGINA N P	57
KOROLEV D I	1	KRYLOV F S	85,94	LAPITSKIY YE I	124
KOROLEV YU N	41	KRYLOVA S P	102	LAPTEV V V	3
KOROTCHENKO A I	122	KRYMOVA A I	36	LASCH F	57
KOROTSEYEV N I	108,112	KRYNETSKIY B B	109	LASKA L	129
KOROTKOV P A	112	KRYZHANOVSKIY V I	126	LAVRENTYUK V YE	16
KOPOTKOV V I	81	KUBAREV A V	91	LAVRISHCHEV S V	3
KOROVIN L I	102	KUBECHKEV V	101	LAVROV A A	139
KOROVIN V YA	63	KUBELKA J	3	LAVROV A P	72
KORSHAK V V	81	KUBICKI J	93	LAZAREV L YE	7
KORUKHOV V V	129	KUBYAK R F	94	LEBEDEV M V	113
KOSHELYAYEVSKIY N B	15,85	KUCHIKYAN L M	54,55	LEBEDEV N F	59
KOSICHKIN YU V	112	KUCHINSKIY A A	18	LEBEDEV V V	27,129
KOSTIKOV YU P	92	KUDIN A M	95	LEBEDEV YU S	47
KOSTIN V V	14	KUDROV N	95	LEBEDEVA V V	118
KOSTKO O F	64,138	KUDRYASHOV G V	57	LEMANOV V V	57
KOSYAKOV V I	56	KUDRYAVTSOV A V	14	LENKOVA G A	88
KOSYREV F K	119,120	KUDRYAVTSEV YE M	22	LEONOV G S	29
KOTELYANSKIY I M	56	KUDZIN A YU	103	LEONOV I A	17
KOTKIN A L	21	KUGAYENKO O M	15	LEONOV YE I	76,103
KOTLIKOV YE N	109,112	KUKHAROV V N	20	LEONTOVICH A M	48,127
KOTLYAR V V	99	KUKHTAREV N V	68,141	LEONT'YEV S A	100
KOTOCHIGOVA S A	109	KUKIELLO P	14	LEPNER N B	45
KOTOMTSEVA L A	141	KUKLEV YU I	81	LETOKHOV V S	79,100,113
KOTOV B A	72	KULAKOV S V	73,135		136,141
KOTOV YU A	72	KUL'CHIN YU N	77	LEVIN M B	9
KOVALEV A A	14	KULEVICHYUS CH	103	LEVIN V YA	77
KOVALEV V A	63,64	KULEVSKIY L A	48	LEVINSON I B	100
KOVALEVSKIY A A	124	KULICKI K	33	LEVIT B I	51
KOVSH I B	17	KULIKOV A N	112	LEVSHIN L V	47
KOWALCZYK P	24	KULIKOV A O	22	LEYPUNSKIY I O	82
KOWALOSYF P	8	KULISH N R	33	LEZHNEV A V	6
KOTHEVNIKOV A V	49	KULISH V V	49	LIKHANSKIY V V	44
KOTHEVNIKOV N M	76	KUNABENCHI R S	18	LIKHONINA YE A	82
KOZIF V I	73	KUPRIYANOV N L	27	LINCHEVSKIY I V	58
KOZINA G S	27	KURACH T N	41	LINENKO-MEL'NIKOV YU P	94
KOZLOV G I	128	KURBATOV L N	27	LINKER B YU	13
KOZLOV V A	93	KURBATOV V A	101	LISITSYN V N	48,135
KOZLOVA N V	116	KURILOV N N	139	LISOGORSKAYA S T	83
KOZLOVSKIY K I	128	KURLENKOV S S	55	LISOVSKIY I P	74
KOZMA L	19	KUROCHKIN V YU	28	LOBACHEV A N	27
KOZYREV YU P	126,128	KURSAKOVA A M	76	LOBANOV A YE	45,130
KPAJMEP J	39	KUSCER I	64	LOGOZINSKAYA YE S	102
KRALIF M	101	KUSCH V S	85	LOGUNOV O A	10,11
KRAPOSHIN V S	118,119	KUSHCHEV A YE	87	LOKHMATOV A I	

LOMANOV V G	57	MANEK B	3	MIRASYAN R G	84
LOMNITSKIY I YA	53	MANENKOV A A	35,103	MIRGORODSKAYA YE N	56
LOMOVA V N	116	MANSUROV A N	134	MIRINOYATOV M M	16
LOPASOV V P	113	MANYKIN E A	69	MIRON N	98
LOPATKO V N	46	MARAKHONOV V I	102	MIRONOV A V	96
LOSKUTOV V S	62,64	MARGOLIN L N	108	MIROSHNICHENKO O N	13,83,99
LU XINGQI	95	MARKOVA S N	70	MIROSHNICHENKO V I	40
LUBNIN YE N	116	MARKOVA S V	20	MIROV S B	2
LUBNIKOV L A	51	MARKOVSKI P P	77	MIROVITSKIY D I	99
LUGOVSKIY A P	34	MARTYNOV A A	71	MIRZA S YU	21
LUKASHIN A V	113	MARTYNOV V F	53	MIRZAYEV A T	17
LUKIN I V	95	MASALOV S A	29	MIRZOYAN R G	48,127
LUKOYNIKOV D S	125	MASEK K	129	MISAKOV P YA	141
LUK'YANCHUK B S	81,119	MASLOV V V	90,102	MISHCHENKO V P	114
LUK'YANOV D P	95	MASLYUKOV A P	35	MISHIN V A	109
LUPEI V	3,4,52,122	MATISOV B G	28	MISHIN V I	10,79,113
LUPEI C	122	MATROSOV V N	48	MITEV V M	63
LUSHNIKOV A A	61	MATSKO M G	105	MITROFANOV A S	99
L'VOV B V	36	MATVEYENKO I D	84	MITROKHINA T G	16
LYAKHOVITSKAYA V A	90	MATVEYETS YU A	79,111	MKHEIDZE G P	25
LYSENKO V G	113	MATVEYEV I N	30	MNUSKIN V YE	10
LYSOY B G	2	MATVEYEV O I	113	MODULINA A N	34
LYUBCHENKO V V	83	MATVIYENKO G G	62,65,67	MOECKEL H O	10
LYUBIMOV V V	71	MATYUKOV N YE	63	MOHAMED S Z	93
LYUBIMOVA A K	82	MATYUSHIN G A	35	MOISEYEV M M	67
LYUBOVITSEVA YU S	65	MAURER J	115	MOISEYEV S A	77
LYUBUTIN O S	58	MAXIMEAN D M	26	MOKRUSHINA YE V	100
M		MAYOROV S A	136	MOLDOVAN M	121
MACHEKHIN YU P	21,26	MAYORSHIN V V	21	MOLEVICH N YE	23
MADDUTIS E K	123	MAZAKOVA M YU	77	MOLODYKH E I	20
MADOYAN R S	45	MAZHUKIN V I	120	MONTANARI S G	100
MAGDICH L N	2,42	MAZNICHENKO A F	33	MORGAN D V	141
MAISCHBERGER K	89	MAZO D M	118	MORGUN YU F	122
MAK A A	3	MAZUR M M	8	MORJAN I	17
MAKAROV A A	65,85,109	MEDIANU R	7,15	MOROSEANU A	3,122
MAKAROV A G	103	MEDIANU V R	30	MOROZOV I A	114
MAKAROV A S	63	MEDRES B S	120	MOROZOV S I	42
MAKAROV N F	30	MEDVED' V V	42	MOROZOV V I	91
MAKAROV N P	37	MEDVEDEV V YE	95	MOROZOV V N	42,72,74
MAKAVEYEV P YU	100	MEDVEDOVSKAYA L A	120	MORI S	112
MAKEYEVA N S	21	MEL'CHENKO S V	9	MORYASHCHEV S F	119
MAKHARADZE T N	133	MELEKHOV P V	89	MOSHKALEV S A	90
MAKHOV V YE	95	MELIK-SARKISYAN A A	9,114	MOSKIYENKO N V	16,85
MAKHOV YE M	69	MELISHCHUK M V	114	MOZHAROVSKIY A M	48,84,127
MAKOVEYEVA L YA	84	MEL'NIKOV N V	65	MSHVELIDZE G G	7
MAKSIMOV G M	93	MESHCHERYAKOV YU I	96	MUELLER A	47,48
MAKSIMOV V F	42	MESTVIRISHVILI A N	55	MUELLER E	103
MAKSIMOVA G V	107	METSIR V M	117	MURHTAROV S	136
MAKUSHENKO YU M	112	MEYER Y H	96	MUKOVNIKOV K V	28
MAKUSHEV K A	117	MEYL'MAN M L	47	MULSER P	130
MAKUSHKIN YU S	113	MEZENTSEVA L P	46	MUNTYAN K I	83
MALAKHOVA V I	21	MEZHEVOV V S	118	MURUGOV V M	132
MALASHKEVICH G YE	47	MICHAILOV M	117	MUSA G	96
MALDUTIS E	124	MICLOS S	36	MUS'YAKOV M P	96
MALEVICH V L	122	MIHAILESCU I N	17,121	MYALITSIN L A	131
MALEYEV D I	33		122,126	MYSHALOV P I	19
MALIMON A N	86	MIKAELIAN A A	35	MYZINA V A	107
MAL'NEV V N	26	MIKAELIAN A L	58	N	
MALOV A N	99	MIKHALEVSKIY V S	21	NADEYKIN A A	80,82
MALOV N N	134	MIKHAYLOV L K	37	NADEZHDINSKIY A I	112
MALOV S N	76	MIKHAYLOV V B	90	NADKHIN A I	26,108
MAL'TSEVA G A	71	MIKHAYLOV V P	33,34	NAGIBINA I M	96
MALYKH N V	103	MIKHAYLOVA G N	103	NARHODKIN N G	77
MALYSHEV D S	59	MIKHAYLOVA T G	70	NARHUTIN I YE	94
MALYSHEV YU M	86	MIKHEYEV L D	23	NANAI L	125
MALYUTA D D	14,118	MIKULENOK A V	110	NANI R KH	107,111
MALYY V I	38	MILANICH A I	23	NANIY O YE	2
MAMAYEV YU A	88	MINAYEV I V	31	NANU L	119
MAMEDOV A A	2	MINCHUK G YA	128	NASTASE L	96
MAMEDOV T G	107	MININ V V	86	NAUGOL'NYKH K A	67
		MINKOVICH V P	56		
		MINOGIN V G	114		

NAUMENKO P A	141	ODINTSOV V I	39	PENDYUR S A	23
NAUMENKOV P A	90	ODULOV S G	4	PENIN A N	115
NAUMOV YU V	102	OGANESYAN L T	114	PENIN N A	101
NAZARENKOV F A	74	OGANESYAN YU TS	126	PENZINA E E	117
NAZARKIN A V	48	OKULOV V L	30	PERCHANOK T M	12
NAZARYAN A A	9,114	OLARIU S	49	PEREPYAKIN V A	16,85,87
NEAGU V	54	OLTEANU M	54	PEREKHOZHEVA T N	116
NECHAYEV S V	141	ONISHCHUKOV G I	3	PEREL'MAN N F	51
NECHAYEV YU S	93	ORAYEVSKIY A N	23	PEREPECHKO S I	46
NECHITAYLO V S	35	ORLOV M M	18	PERINA V	129
NECSOID T	88	ORLOV V M	76	PERNER B	3
NEDBAY A I	121	ORLOV V P	56	PERSIANTSEV M I	44
NEGIN A YE	61	ORLOV V V	6	PESTOVSKIY V I	87
NERRASOV G L	103	ORLOVSKIY G V	72	PESTRYAKOV YE V	48
NEMET B	19,134	OSADCHUK L A	131	PETNIKOV A YE	78
NEMKOVICH N A	19,110	OSIKO V V	8,107	PETRAKIEV A	93
NENCHEV M N	5,96	OSIPENKO F P	63	PETRASH G G	20
NERESOV E A	50	OSIPOV A I	80	PETRENKO R A	12
NESTEROV S I	5	OSTROUMENKO A P	58	PETROV A S	57
NESTEROV V M	23	OSTROUMOV V G	3	PETROV A V	124
NESTEROVA N N	34	OSTROVSKAYA G V	94,96	PETROV K I	116
NEUMANN H J	10	OTROKHOV S YU	108	PETROV M P	34,137
NEVSKIY I A	100	OVCHINNIKOV A A	25	PETROV N S	44
NGUYEN DANG NYUYAN	101	OVCHINNIKOV A V	97	PETROV V F	39
NICKLES P V	37	OVCHINNIKOV S N	15,85	PETROV V I	97
NICOLAU-REBIGAN S	96			PETROVICH V I	97
NIEMAX K	116	P		PETROVSKIY G T	105
NIKIFOROV S M	79	PAISOV V N	17	PETROVSKIY V N	11,13,28
NIKIFOROV V G	10	PAK G T	58	PETRUN'KIN V YU	1,36
NIKIFOROVA O YU	106	PAK S K	34	PETRUSHENKO YU V	93
NIKITENKO A G	34	PAKHOMOV A V	61	PETUKH M L	141
NIKITIN A I	80,82	PAKHOMOV L N	1,36	PETUKHOV A V	123
NIKITIN L N	81	PALUCHIKH L I	115	PETUKHOV V A	36
NIKITIN O N	100	PANASYUK YE I	110	PIECZONKOVA A	42
NIKITIN V V	11,19	PANCHENKO M V	64	PIKALOV I P	87
NIKITIN YE P	55,58	PANCHENKO V YA	80	PIKALOV V V	137
NIKITINA V P	110	PANCHEVA M Z	77	PILIPETSKIY N F	77
NIKOGOSYAN D N	82	PANFILOV V N	104	PIMENOV YU D	80
NIKOLAYENKO A N	88,99	PANIN V V	32	PIMENOV YU P	7
NIKOLAYEV A V	21,26	PANKOV V L	40	PINCHUK S D	65
NIKOLAYEV F A	130	PANKRATOV A V	82	PISAREV R V	34
NIKOLAYEV V N	125	PANTELEYEV V V	115	PISETSKIY V V	2
NIKONCHUK M O	13	PAPERNNY S B	39	PISKUNOV A K	23
NIKUL'CHIN A V	11	PARAMONOV G R	104	PIS'MENNYY V D	118
NIKULIN N G	129	PARAMONOVA T N	76	PLINSKI E F	31
NITOI A	15	PARASHCHUK V V	104	PLOTNICHENKO V G	58
NITOI AL	17	PARFENOV A V	33	PLUTENKO A D	67
NITSOLOV S L	63,114	PARFENOVA YE N	20	PLYASULYA V M	129
NIZOVTSSEV A P	50	PARKHOMENKO YU G	54	PODMOSHENSKIY I V	16
NOLLE P M	32	PAROL K	8	PODOLEANU A	35
NORKUS V	34	PARSHINA T L	16	PODOLEANU A GH	26
NOSKOV M F	94	PARYGIN V N	58	PODOL'SKIY V V	103
NOSOV V B	105	PASCU A	18	POD"YACHEV S P	29
NOSOVA L V	71	PASCU M L	18,96,115	POGADAYEV B N	61
NOVIKOV A D	108	PASHINA Z S	36	POGONIN V I	82
NOVIKOV I K	126	PASHININ P P	130	POGORELOV O D	31
NOVIKOV M A	88,114	PASHKIN S V	25	POGOREL'SKIY YU V	39
NOVIKOV V P	114	PASHKO S A	6	POGOSOV O K	71
NOVIKOV YE V	92	PASMANIK G A	68	POKORNY A	97
NOVIKOVA YE R	4	PASYUK A S	126	POLANOVSKIY V M	45
NOVOGORODTSEV A B	34	PATLAKH A L	58	POLOGRUDOV V V	115
NOVOSELETS M K	77	PAVLICHENKO I O	60	POLOZ V V	13
NOVOSELOV S K	105	PAVLOV L	38	POLOZKOV N M	76
NURTDINOV N R	115	PAVLOV V G	16,85	POLUEKTOV I A	6,48
		PAVLOV V I	51	POLUEKTOV P P	94
O		PAYUROV A YA	16	POLUNIN YU P	20,21
OANAILA L	53	PAZDZERSKIY V A	104	POLYAKH D M	39
OCHILOV O	34	PEEVA R A	30,31	POLYANSKIY V K	75,78
OCHIN YE F	136	PEKAREK L	27	PONEZHA G V	38
OCHKIN V N	83	PEKLENKOV V D	126	PONEZHA O O	38
ODINTSOV A I	22,118	PENCHEVA T G	77	PONOMARENKO V V	25
				PONOMAREV YU N	106,111

POPA A	122	RAZDOBARIN G T	90	SAGITOV S I	6
POPA C	115	RAZHEV A M	24	SAICHEV A I	68
POPA D	115	RAZSOLKOV V S	77	SAID-GALIYEV E YE	81
POPESCU E	97	REBANE L A	40	SAIDOV KH SH	39
POPESCU G	89	REBER R	10	SAIDOV R P	1
POPESCU I I	15	REDIN S G	24	SAIDOV Z S	3
POPESCU I M	26,115	REKHVIASHVILI M B	103	SAKALAUSKAS S V	104
POPILAVSKIY A A	95	REMIZOVICH V S	71	SALAYEV E YU	107,111
POPONIN V P	49	RESHINA I I	104	SALDIN YE L	49
POPOV A G	69	REVA M G	8	SALMANOV V M	105
POPOV A K	37	REZNIK L G	115	SAMOKHIN A A	122
POPOV L N	25	REZNIK M F	116	SAMOKHVALOV I V	67
POPOV N I	122	RICHTER J	97,116	SANADZE V V	46
POPOV S P	123	RISTICI E	3	SANDER YE A	73
POPOV YU M	6,42	RISTO V A	91	SANDU M	126
POPOV YU P	101	RIVLIN L A	5	SANTA I	19
POPUTNIKOV N V	116	RODICHKIN V A	18	SAPRYKIN L G	128
PORTASOV V S	64,138	RODIN A M	126	SARDARLY R M	107
PORTNOY YE L	5	RODIONOV N B	22,23	SARKISOV O M	116
PORTSEL' L M	101	RODIONOV V N	130	SARTAKOV B G	79
POSOKH S V	47	ROGALSKI G	59	SATAYEV I R	48
POTAPOV S YE	20,28	ROGOVTSEV P N	16	SAUKOV A I	131
POTAPOV V T	56	ROGOZKIN D B	71	SAVADATTI M I	18
POTATURKIN O I	73	ROLDUGIN V I	28	SAVCHENKO S M	6
POTEMKIN A V	1	ROMANIUK R	59	SAVEL'YEV A D	14
POTERYAYKO M B	95	ROMANOV YU A	119	SAVEL'YEV V N	113
POTYLITSYN YE A	57	ROMANOV YU F	29,136	SAVEL'YEVA V P	30
POVSTYANOV M V	10	ROMANOV YU F	136	SAVIN A A	25
POYZNER B N	25	ROMANOVSKAYA G I	82	SAVINICH V S	120
PREOBRAZHENSKIY N G	137	ROSENFELD A	112	SAVOSTIN P I	31
PREZHDO V V	138	ROZANOV V B	127,128	SAVVIN S B	82
PRIBYLOVSKIY A S	73	ROZANTSEV V A	115	SAYECHNIKOV V A	116
PRIVALOV V YE	85,140	ROZHDESTVENSKIY YU V	114	SAYENKO I I	72
PROKHOROV A M	35,48,57,79	RUBEZHNYI YU G	94	SAYKHANOV I B	59
	93,121,122,123	RUBINOV A N	8,9,10,46	SAYKIN A S	76
PROKLOV V V	57		107,110	SAZONOV A I	15,84,108
PROKOPENKO V T	87	RUBINOV YU A	16	SAZONOV V N	52,82
PROMYSLOV YE V	98	RUBTSOV S V	31	SCHAEFER F P	10,47
PROTSENKO YE D	11,12	RUBTSOVA N N	71	SCHEEL W	57
PROVOROV A S	14	RUDENOK I P	59	SCHILLING R	89
PRUTNIKOV A V	46	RUEDIGER A	89	SCHLEGEL L	59
PSHENTSOV YU A	59	RUKHADZE A A	25,49	SCHLISIO A	108
PUGACH I P	13	RUPASOV A A	127	SCHNEIDER B	109,117
PUGACHEV G S	100	RURUKIN A N	13,28	SCHNUPP L	89
PUKHLIY ZH A	102	RUSAKOV V K	97	SCHROEDER B	108
PUSHKAREV G P	91,95	RUSTAMOV KH SH	116	SCHWAB W	10
PUSTOVALOV V K	61,65	RUSTAMOV S R	29	SEBRANT A YU	118
PUSTOVOYT V I	8	RUTKIN O G	100	SEDOV L V	42
PYATAKOV P A	42	RUVINSKIY M A	102	SEFEROV A S	103
PYATETSKIY R YE	33	RYABOV YE A	141	SEM M F	21
PYATIGORSKAYA L I	108	RYAZANOV M I	71	SEMCHENKO O N	43
PYATNITSKIY L N	97	RYBALTOVSKIY A O	55	SEMENTETS T I	45
		RYBYANETS A I	57	SEMENTO N G	91
R		RYGALIN V N	81	SEMENTOV A A	61
RABA O B	3	RYKHLOV A F	29	SEMENTOV A S	58
RABINOVICH V A	35	RYL'KOV V V	47	SEMENTOV A T	5
RACHINSKIY I L	83	RYVKIN V A	106	SEMENTOV A YE	40
RACZ B	18,19,47,134	RYZHIKOV B D	47	SEMENTOV G I	42
RADAUTSAN S I	110			SEMENTOV V V	90
RADCHENKO V V	122	S		SEMENTOVSKAYA N A	86
RADZEWICZ C	24	SABLIN V N	139	SEMIBALAMUT V M	52
RADZEWICZ CZ	8	SABOTINOV N V	22	SEMILETOVA YE F	121
RAK S L	97	SADIKOV S N	56	SENATOROV A K	93
RAKHMANOV V F	94	SADOVSKIY V	98	SERBANESCU M D	98
RANTSEVICH V B	97	SADOWSKI M	130	SEREBRYAKOV V A	39
RAPOPORT B I	35	SADYKOV A	136	SEREGIN A M	40
RASHKOVICH L N	36	SADYKOV A S	51	SERGEYEV P B	23
RASSKAZHIKOVA T M	61	SAFAROV N YU	107	SERGEYEV YU L	83
RAUSCHENBACH B	59	SAFAROV YU S	97	SERGUSHCHENKO S A	76
RAYKHERT V A	84	SAFONOV V V	116	SEVASTYANOV B K	4
RAYKOV S N	141	SAGAPADZE V R	55	SEYRANYAN K V	3
				SEYSYAN R P	112

SHADRIN YE B	76	SHTOFICH S V	5	SOLDATOV A N	21
SHAKHVERDOV T A	116	SHTOLL I (SEE STOLL I)		SOLDATOVA L P	59
SHAKIN V A	44	SHTYRKOV YE I	77	SOLODKOV A F	5
SHAKIR YU A	14	SHUB D M	116	SOLOMAKHA D A	86
SHALAGINOV V V	116	SHUGAYEV F V	139	SOLOV'YEV A A	120
SHALAYEV V K	9	SHUKIROV ZH	32	SOLOV'YEV N A	126
SHALAYEV YU I	88	SHUKUROVA L M	65	SOLOV'YEV V S	13,85,86,91
SHALDIN YU V	27	SHULEYKO I B	33	SOROCHENKO V R	14
SHAMANAYEV V S	60	SHUL'GA S B	23	SOROKIN A R	14
SHANDAROV S M	76	SHUMAKIY S A	127	SOROKIN V V	130
SHANSKIY V F	18	SHUR N F	120	SOROKO L M	98
SHAPIRO I YA	63	SHUR V V	21	SOSHNIKOV V N	60
SHAPIRO Z I	108	SHUSTRYAKOV V M	109	SOSKIN M S	4,141
SHAPKIN P V	49	SHUVALOV V A	111	SOSKIN S I	77
SHARAFEYEV I M	119	SHVARTSBERG A B	59	SOSNIN V P	56
SHARAFUTDIOV A B	32	SIDORIN A V	125	SOSNOVSKIY G M	34
SHARAKHIMOV M SH	17	SIDOROV V A	28	SOTNICHENKO S A	26,108
SHARKOV A V	111	SIDOROVICH V G	40,69	SOTNIKOVA G YU	72
SHARKOV V F	22	SIEBERT R	98	SOUSTOV L V	105
SHARYGIN L M	116	SIERADZAN A	37	SPASOV G A	78
SHATILOV A V	105,122	SILIN V P	127	SPEVAK I S	123
SHATROV A D	56	SIL'NOV S M	126	SPIRIDONOV M V	83
SHAVERDOVA V G	103	SIMACHEV N D	57	SPIRIDONOV V A	7
SHAYDUK A M	80	SIMAKIN A V	119	SPOREA D	98
SHCHEDRINA N V	4	SIMEONOV S D	44	SRESELI O M	75
SHCHEDROV M V	128	SIMONOV A P	82	STABINIS A	68
SHCHEDRUNOVA T V	76	SINITSA L N	113,117	STACEWICZ T	8
SHCHEGLOVA N A	140	SINITSA S P	92	STAKH V M	98
SHCHELEV M YA	48	SINTYURIN G A	66	STAL'MAKHOVICH S I	47
SHCHERBACHENKO A M	98	SINYAVSKIY E P	104,106	STAMENOV R V	10
SHCHERBAKOV A A	128	SIPAYLO A A	17	STANCIU I	36
SHCHERBAKOV I A	2,3,46	SIRMULIS E	124	STANCO J	14
	47,102	SIRUTKAYTIS V A	38	STANKOV K A	10
SHCHERBAKOV V A	130	SISAKYAN I N	57,59	STAROSSEL'SKIY I YE	125
SHCHERBAKOV V N	63	SITNIKOVA S F	129	STAROSTENKO B V	70
SHCHICHKIN S V	14	SIZOV N I	61	STAROSTIN A N	141
SHEDOVA YE N	94	SIZOV YU	98	STAROSTIN K V	56
SHELAYEV A N	2,42	SKLIZKOV G V	6,127	STAROSTIN N I	15,84
SHER YE S	34	SKOPIN I A	55	STARTSEV A V	10,11
SHESTOPALOV V P	50	SKOPINA V I	5	STARTSEV V R	39
SHEVTSOV M K	76	SKRIPAL' A V	105	STASEL'KO D I	75
SHEYNKMAN M K	6	SKRIPKIN A M	66	STASTNY F	93
SHIBANOV A N	79	SKROZAKOWSKI M	2	STEFANIAK T D	121
SHIFRIN K S	67	SKVORCHEVSKIY A K	98	STEFANOVICH V A	16
SHIGORIN D N	140	SKVORTSOV M N	26	STEL'MAKH O M	109
SHIKANOV A S	127	SKVORTSOV YU A	118	STEPANOV S I	137
SHILOVA M V	103	SMAGIN A G	47	STEPANOV V A	17,19
SHIROKANOV A D	71	SMIRNOV A YE	56	STEPURO A V	33
SHISHKIN I F	62	SMIRNOV B M	141	STERIAN P	35
SHISHOV V I	70	SMIRNOV V A	2,3,46,47	STERIAN P E	26
SHITOV V G	78	SMIRNOV V N	123	STOCK D	124
SHKADAREVICH A P	9	SMIRNOV V S	70	STOENESCU GH	97
SHKERDIN G N	41,43	SMIRNOV YE A	21	STOEVA S	117
SHKUNOV V V	77	SMOLINSKI A	60	STOKR J	109,117
SHKURPELA YU R	87	SMULAKOVSKIY V M	13,86,87	STOLL I	127
SHLITERIS E P	20	SMYSLOVA YE P	121	STOLOV YE G	30
SHLYAGIN M G	34	SOARE B	3	STOLYARENKO A V	33
SHLYAPOCHNIKOVA N S	69	SOBEL'MAN I I	48	STONYS S	124
SHLYAPTSEV V N	131	SOBOL' E N	125	STOYKOV KH	59
SHLYAZHAS R B	88	SOBOL' V V	95	STOYLOV YU YU	10,11
SHLYKOVA S P	16	SOBOLEV A G	6	STRATAN A	7
SHMAL'KO A V	32,43,58	SOBOLEV L M	117	STRECRE M	10
SHMELEV G M	45	SOBOLEV N N	70,83,106	STREKALOV V N	40
SHMERLING G V	82	SOBOLEV V A	17	STRELETS V A	91
SHMILEVICH A M	104	SOBOLEVA YE M	6	STRELKOV G M	62,64,71
SHMULEVICH I A	29	SOKOLOV I A	135	STRIZHENOK N V	114
SHNEYDER A G	115	SOKOLOV N A	25	STRIZHEVSKIY V L	32
SHNITSER P I	2,42	SOKOLOV V I	129	STROKACH N S	140
SHOYDIN S A	73	SOKOLOV V V	2	STRUNIN V P	104
SHPAK M T	84,114	SOKOLOVSKAYA A I	48	STUKOV O I	130
SHTARKOV A L	79	SOKOLOVSKIY R I	45	STUPITSKIY YE L	126,130
SHTEYNASHRAYBER V YA	111	SOLDATKIN N P	62	SUBACINS L	124

SUCHKOV A F	116	TIGINYANU I M	102,110	TURYSHEV L N	113
SUDARKIN A N	77	TIKHODEYEV S G	103	TUZOVA S I	71
SUD'YENKOV YU V	121	TIKHOMIROV A A	32,65	TVERDOKHLEB P YE	73
SUKHANOV V B	21	TIKHOMIROV B A	106	TYAINTSEV S N	54
SUKHANOV V I	73,78	TIKHONCHUK V T	127	TYCHINSKIY V P	40
SUKHAREV B V	57	TIKHONOV YE A	10,114	TYKOTSKIY V V	20
SUKHAREV S A	132	TIMOFEYEV B A	87	TYURIKOV D A	11
SUKHORUKOV A P	37,68	TIMOFEYEV F N	5	TYUTRIN YU I	122
SULIMOV V B	55	TIMOFEYEV V O	72		
SUMERIN V V	17	TIMOFEYEV V P	37	U	
SURAN V V	80	TIMOFEYEV YE P	87		
SURIS R A	5,6	TIMOFEYEV YU P	46	UDALOV YU B	83
SURKIN R I	117	TIMOSHIN A A	10	UDREA E	130
SUSHCHINSKIY M M	38,117	TIMUS C	29,30	UDREA M V	15,29
SUTORIKHIN I A	80,81	TISHCHENKO A A	61	UGLOV A A	120,121,125
SUTORSHIN V N	88	TISHCHENKO A V	60	UGLOV S A	119,120
SUTUCIN A G	61	TITOV A N	86	ULASYUK V N	89,93
SUYNOV S KH	78	TKACH V V	75	ULENIKOV O N	113
SUYNOV V	78	TODOROV T A	77	UL'YANOV V A	15
SUYNOV V KH	78	TOKAREV V I	109	UMARKHODZHAYEV R M	21
SUZDENKOV M V	90	TOKAREV V N	118,121,123	UMAROV B S	107
SVECHNIKOV S V	137	TOKAREVA I P	13	URIN B M	17
SVERDLOV L M	117	TOLEUTAYEV V N	23	URSU I	3,4,52,121,122
SVEREY V V	127	TOLSTIKOV YU V	63	URVACHEV V I	13
SVETLICHNYY S I	26	TOLSTOV YE F	139	USACHEV A L	61
SVIDZINSKIY K K	29	TOMA D	3	USANOV D A	105
SVIRID V A	54	TOMASHEVSKIY YU F	84,86	USHENKO A G	75,78
SVIRIDENKOV E A	116,117	TOMIL'CHIK T V	141	USKOV A V	
SVIRIDOV A G	17	TOMIN V I	110	USTINOV N D	30
SVITASHEV K K	99	TORCHINSKAYA T V	6	UTKIN-EDIN D P	100
SYCHUGOV V A	60,105,123	TORGOVICHIEV V A	64,138	UVAROVA T V	3
S'YEVA M L	117	TOROPKIN G N	140	UYUKIN YE M	101
SYSOYEV V K	58	TOROPOV A K	83,84	UZHINOV B M	8
SYSUN V V	28	TOTH ZS	9	UZIYENKO D A	126
SZABO G	47,48	TOTIA H	3		
SZATMARI S	10,19,47	TRALLE I YE	45	V	
SZENTIRMAY ZS	29	TREBENOK A V	41		
SZYDLAK J	2,53	TREGUB D P	4,6,56	VAINER V V	21
		TRENEVA YE G	39	VAKHTANOVA L P	78
T		TRET'YAK V I	92	VALE G K	99
TABARIN V A	32	TRET'YAKOV V E	86	VALOUSEK R	30
TABIRYAN N V	43	TRIDUKH G M	101	VANIN N V	64,138
TABUNOV V P	5	TRINCHUK B V	10	VANKOV O I	63
TAGANOV O K	95	TROFIMOV A V	12	VARLATAYA S K	60
TAGANOVA V A	95	TROFIMOV V A	45,37	VARNAVSKIY O P	48,127
TAGER A A	4,6	TROPCHENKO A YU	29	VARSHTAYN S S	123
TAGIROV V I	105,110	TROSHIN B I	129	VARTAPETOV S K	14
TAIROV S M	101	TROTSSENKO N K	30	VASILENKO L S	71,87
TAL'ROZE V L	80,82	TRUKAN M K	5	VASILIU V	89
TALYBOV V M	90	TRUNOV N N	102	VASIL'YEV A A	92
TAMBIYEV YU A	5	TRUNOV V I	48	VASIL'YEV B I	19
TANKOVSKI N S	58	TRUSHKIN N I	25	VASIL'YEV L A	40,60
TARABRIN YU A	35	TRUSOV K K	11	VASIL'YEV M V	69
TARASENKO N V	90	TSAGANOVA YE V	117	VASIL'YEV N N	9
TARASENKO V F	9,24	TSELINKO L P	11	VASIL'YEVA E A	12,91,99
TATARENKOV V M	86	TSIKIN B G	45	VASIL'YEVA M A	140
TATU V S	17,121	TSILIBIN B I	74	VAYSMAN N B	59
TELEZHKO N A	18	TSIULYANU D I	101	VAYTRUS YU	105
TELEZHKO V M	18	TSFHAY S N	17	VEDENEYEV S I	19
TELEZHNIKOV S A	101	TSUKANOV V G	6	VEDENOV A A	131
TEMCHENKO V S	92	TSURKAN G I	45	VEDLIN B	35
TENTLER G SH	72	TSVETKOV F A	13	VELCULESCU V G	15,119,130
TEODORESCU L	97	TSVETKOVA R M	86	VELICHKO A M	80,82
TER-AKOP'YAN G M	126	TSVYK R SH	66	VELIKHOV YE P	50,52,118,141
TER-MIKAYELIAN M L	45	TUKHVATULIN A SH	56	VERBOVETSKIY A A	73
TEREBEZHNIK L P	74	TUMANOVA L M	100	VERESHCHAGIN K A	17
TERENT'YEV A R	18	TUMARKINA YE M	70	VERKHOVSKIY V S	9,24
TERNOV I M	130	TUMAYKIN A M	70	VERNIK S M	141
TERPINSKI J	133	TURKIN A A	88	VERTOPRAKHOVA L S	88
TESLENKO V V	95	TURKINA G F	27	VESELOVSKIY A B	99
TETEL'BAUM D I	124	TURKOV YU G	35	VETROV V V	100
		TURSUNOV A T	82	VINETSKIY V I	124,141

VINOGRADOV A V	131	YATSENKO L P	11	ZAYTSEV V G	132
VINOGRADOV I P	23	YATSENKO V V	75	ZAYTSEV V P	99
VINOGRADOV YE A	107	YATSIV S	15	ZEGE E P	66
VINOKHODOV A YU	23	YATSOVSKIY S I	125	ZEL'DOVICH B YA	43
VINOKUROV N I	13	YAVOKHIN A N	131	ZELIKIN N V	122
VISHCHARAS YU	140	YEFIMOV G V	85	ZEMAN P	101
VIZIR' V A	24	YEFREMOV V A	26	ZEMLYANOV A A	66
VLACHY J	52	YEGEREV S V	67	ZEMLYANSKIY V M	99
VLAD V I	99,115	YEGOROV A S	79	ZENCHENKO V P	106
VLASENKO N A	74	YEGOROV V G	22	ZEYLIKOVICH I S	100
VLASOV A N	87	YELAYEV V F	21	ZGULADZE M G	55
VLASOV D V	39,41,46,69	YELIGULASHVILI I A	133	ZHABOTINSKIY M YE	17
VODOLAZSKIY P V	105	YELINSON M I	56	ZHARIKOV YE V	3
VODOP'YANOV K L	48	YELISEYEV P G	40,55,142	ZHAROV S YU	101
VOICU I	3	YELKHOV V A	72	ZHAROV V P	100
VOLENKO V V	131	YEMEL'YANOV S A	110	ZHELUDEV I S	106
VOLKOV A YU	17,22	YEN'SHIN A V	132	ZHERIKHIN A N	79
VOLODINA I S	47	YERMACHENKO V M	46	ZHIDKOV V V	122
VOLOSTNIKOV V G	99	YERMACHENOK A P	11	ZHILEVSKIY A I	88
VOLYAR A V	55	YERMAKOV B A	142	ZHILIN A N	7
VORKIN V I	131	YERMOLENKO A I	83	ZHIRYAKOV B M	122
VOROB'YEV B V	121	YERMOLENKO N N	47	ZHITARYUK V G	70
VOROB'YEV N S	48	YERMOV V V	7	ZHMUR V V	99
VOROB'YEV S P	60	YEROSHIN V I	74	ZHUKOV A F	66
VOROB'YEV N P	63	YESEPKINA N A	72	ZHUKOVSKIY V V	141
VORON'KO YU K	107	YETIKHIYEV N N	99	ZHULANOV YU V	100
VORONOV V I	21	YEVSEYEV A V	46	ZHUMALIYEV K M	72
VORONOVA K A	35	YEVSEYEV I V	46	ZHUMANOV KH A	116
VOROPAYEV S I	99	YEVSEYEV V R	13	ZIMOKOSOV G A	87,88
VOSTRETISOV N A	66	YEVTIKHIYEV V P	5	ZISU T	88
VOVK S M	116	YEVTUSHENKO G S	21	ZLATIN N A	100
VOZNESENSKIY V A	43	YEVTYUSHENKOV A M	67,69	ZLOOTAREV A I	74
VUCHKOV N K	22	YEVTYUSHKIN V A	38	ZLOOTAREV V M	118
VUL'FSON YE K	131	YEZHOV V A	92	ZLOOT'KO A S	70
VVEDENSKIY V D	30	YUDELEVICH I G	110	ZLOTOV YE M	106
VYATKIN K V	4	YUDIN A I	127	ZLOTUKHIN O G	39
VYSIKAYLO F I	23	YUDIN I L	35	ZOMMER M	92
VYSLOUKH V A	60	YUMASHEV K V	33,34	ZON B A	80
VYSOTSKIY YU P	60	YURIN V A	106	ZOREV N N	127
		YURLOV YU I	98	ZOZULYA A A	127
		YUR'YEV V F	133	ZUBRITSKIY V V	106,118
		YUR'YEVICH I G	41	ZUYEV V A	124
				ZUYEV V YE	66,67
W				ZVEREV V V	128
WAGNER M	124			ZVINEVICH YU V	19
WEIGMANN H J	112	Z		ZYBIN A V	118
WELLEGEHAUSEN B	20				
WIECZOREK L W	37	ZABELIN A M	2		
WINKLER W	89	ZABOLOTSKAYA YE A	41		
		ZADDE G O	61,62,138		
Y		ZADERA A V	29		
YABLONSKIY G P	106,118	ZADKOV V N	108		
YAGOFAROV I A	70	ZAFIROVA B S	30,31		
YAKIMOVICH A P	74	ZAGIDULLIN M V	27		
YAKOVENKO G N	41	ZAGORSKAYA Z A	76		
YAKOVLENKO S I	131	ZAKHARCHENKO S V	66		
YAKOVLEV V A	105	ZAKHARENKO YU A	127		
YAKOVLEV YU M	84	ZAKHAROV V M	138		
YAKUBOVICH S D	5,21	ZAKHAROV V P	49		
YAKUSHEV G G	97	ZAKIROV SH KH	17		
YAMAYKIN V YE	133	ZAKURKIN V V	42		
YAN'KOV V V	129	ZAMKOV V A	138		
YANKOVSKIY A A	115	ZAMYSHLYAYEV B V	126		
YANUSHEVSKAYA T A	78	ZAMYSHLYAYEV V V	126		
YARASHYUNAS K	103	ZANIMONSKIY YE M	83		
YAROSHETSKIY I D	110	ZANIN V V	60		
YAROSLAVTSEV V T	82	ZARETSKIY A I	132		
YAROSLAVTSEVA L YA	13	ZARETSKIY D F	50		
YASHKIR YU N	32	ZAKOSLOVA O S	118		
YASINSKIY V M	12	ZARTOV G D	30,31		
YASNOGORODSKIY A M	105	ZATSEPIN S V	52		
YASTREBKOV A B	19	ZAVIL'GEL'SKIY G B	82		
YATSENKO B P	86	ZAVOROTNYY S I	25		
		ZAYTSEV N F	14		

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